

AMENDED CLAIMS

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original claims 1-10 replaced by amended claims 1-7 (2pages)]

CLAIMS

1. A procedure in dry formation of a fibre layer, in which procedure fibre-containing air is passed through a forming wire (7) moving via a former (2) or an equivalent distributor unit and further through a suction box (8) or equivalent via channels (11) with an adjustable flow rate, where the suction box or equivalent being placed below the forming wire, and which air is circulated back to the upper part of the same or another former via channels (17) with an adjustable flow rate, **characterized** in that the channel-specific adjustment of the circulation airflow is made during operation by decreasing or increasing the cross-sectional area of the mouths of the channels (17) placed above the forming wire.

2. A procedure according to claim 1, **characterized** in that the channel-specific adjustment of the circulation airflow is made at both sides of the forming wire (7) during operation by decreasing or increasing the cross-sectional area of the mouths of the channels (17) placed above the forming wire (7), and by decreasing or increasing the cross-sectional area of the mouths of the channels (11) placed in the suction box (8).

3. An apparatus (1) in dry formation of a fibre layer, said apparatus comprising at least one former (2) or an equivalent distributor unit, a forming wire (7) moving below the former and at least one with adjustable channels (11) equipped suction box (8) below the forming surface of the forming wire (7) and a system of circulation air channels leading from the suction box (8) to the upper side of the same or some other former or an equivalent distributor unit, the circulation air channels having channel system (9) equipped with regulating element (18) and divided into substantially separate channels (17), **characterized** in that the number of channels (11) in the suction box (8) is substantially the same as the number of channels (17) in the channel system (9).

4. An apparatus according to claim 3, **characterized** in that the cross-sectional area of channels (11) and their width in the transverse direction of the forming wire (7) at the upper surface of the suction box (8) has been fitted to correspond to the corresponding dimensions of channels (17) at the upper edge of the drum part of the former (2).

5. An apparatus according to claim 3 or 4, **characterized** in that the regulating element (18) of the channels (17) of the channel system (9) has been fitted to be adjusted during operation of the apparatus.

6. An apparatus according to claim 3, 4 or 5, **characterized** in that the channels (11) in the suction box (8) has been fitted to lead in a converging manner into an exhaust duct (12) provided at the side of the suction box (8) and leading to a fan (13).

7. An apparatus according to any one of the preceding claims 3-6, **characterized** in that the cross-sectional areas of channels (17) at the junction between the upper part of the former and the channels (17) are mutually substantially equal, and that the total width of channels (17) covers substantially the entire transverse width of the forming wire (7) at the junction of the upper part of the former.